

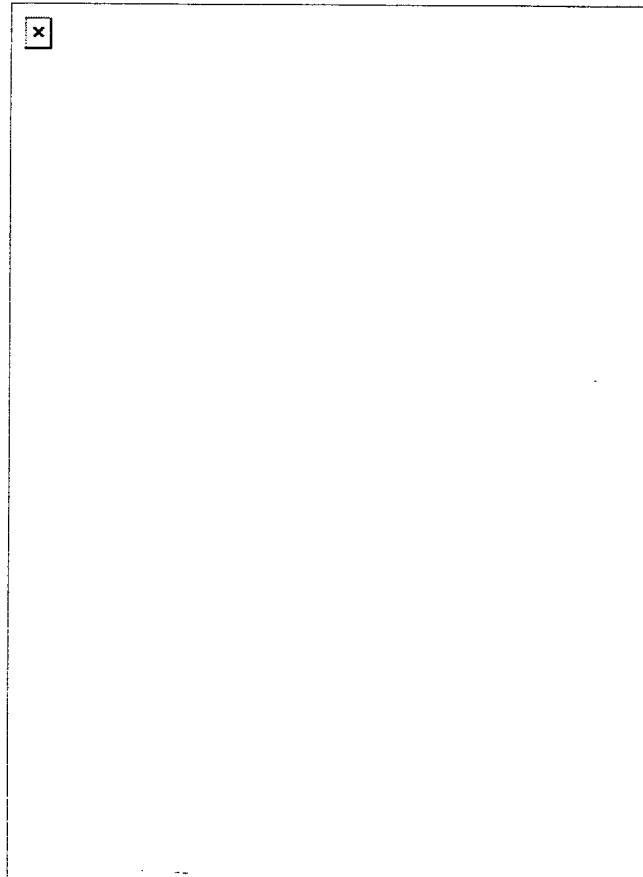
X-RAY DETECTION CIRCUIT IN SEMICONDUCTOR INTEGRATED CIRCUIT DESIGNING

Patent number: JP63180884
Publication date: 1988-07-25
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Classification:
- international: G01T1/17; A61B6/03; G01T1/20; H01L31/00
- european:
Application number: JP19870012407 19870123
Priority number(s):

Abstract of JP63180884

PURPOSE: To achieve a higher quality of picture of a CT image with a high accuracy of data obtained, by surrounding a signal input pad into which a signal is inputted from an X-ray detector and a signal wiring pattern to an input terminal of an amplification circuit therefrom with a ground wiring pattern.

CONSTITUTION: Conductive parts (a signal input bonding pad 34 and signal wiring pattern 35) to an input terminal of an amplification circuit with a high impedance from a signal input part from an X-ray detector are surrounded with a ground wiring pattern 37 with a low impedance. This portion shields the inflow of an ohmic current and diffusion current to the conductive parts. This eliminates mixture of these currents with signal currents, thereby providing a highly accurate data.



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